



# BROAD EXAMINATIONS®

## P.4 INTEGRATED SCIENCE EXAMINATION END OF TERM II 2024

Time allowed: 2 hours 15 minutes

Pupil's Name: .....

School Name: .....

District Name: .....

**Read the following instructions carefully:**

1. This paper is made up of two sections: **A** and **B**.
2. Section **A** has **40** questions (**40 Marks**)
3. Section **B** has **15** questions (**60 Marks**)
4. Answer **ALL** questions in both sections **A** and **B**.
5. All answers must be written in the space provided in blue or black ball point pens and ink. **Only diagrams should be done in pencil.**
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiners' use only.

### FOR EXAMINERS' USE ONLY

PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

**Teacher's comment to the learner**

.....  
.....  
.....  
.....

Approved by:

*Agnes M. Mwangi*

**Team Head Science Dept.**

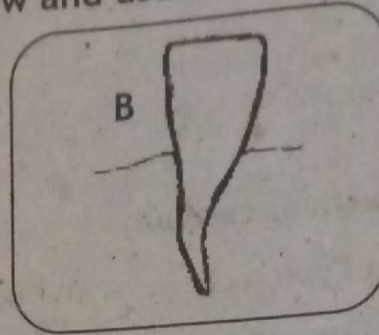
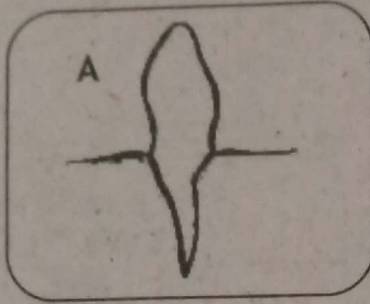
**SECTION .A. (40 Marks)**

1. Which element of a clean home helps in proper disposal of faeces?

2. Name the element of weather that gives us water.

3. Give any one function of leaves to a plant.

Study the types of teeth drawn below and use them to answer questions 4 and 5.



4. Name the type of teeth marked B.

5. State the function of the type of teeth marked A.

6. Give the importance of planting trees in a school compound.

7. In which region of the human body are lungs found?

8. Give any one reason why people eat food.

9. Name one tool used to harvest rain water in a home.

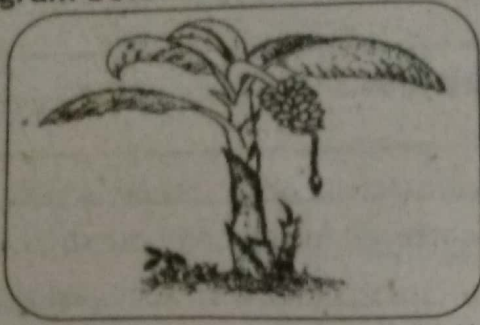
10. Mention any one component of soil.

11. Which deficiency disease is prevented by eating foods rich in carbohydrates?

12. State any one way you can use to keep your body healthy.



The diagram below shows a common perennial crop. Use it to answer question 13.



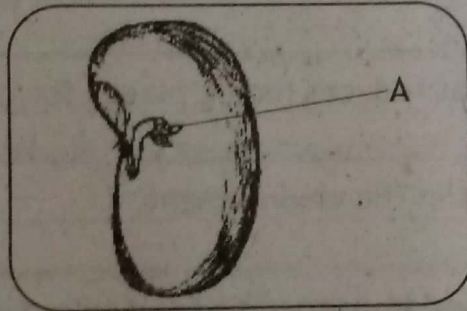
13. Name the common perennial crop in the diagram above.

14. State one danger of germs in the environment.

15. Mention any one way of managing sunny weather.

16. Name one garden tool used to dig in stony areas.

The diagram below shows a bean seed. Use it to answer question 17.



17. Which system of a flowering plant develops from part marked A?

18. Give any one importance of giving first aid to casualties.

19. Write down one advantage of feeding on a balanced diet.

20. Name the body organ used for feeling.

21. Give any one way of keeping cooked food clean.

22. What are crop pests?

23. Mention any one activity done to promote oral hygiene.

24. Mention any one source of light energy in the environment.

25. State any one importance of transpiration to plants.

26. State one danger of leaving broken bottles scattered in the compound.

27. Name one source of proteins got from water bodies.

28. Give any one way of caring for crops during the dry season.

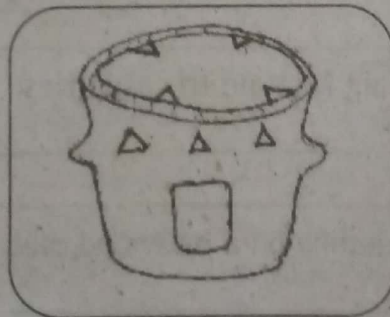
29. Give any one example of immunisable diseases.

30. Mention any one tool used in keeping the house clean.

31. Mention one crop growing practice that reduces hiding places for crop pests.

32. Give any one cause of natural changes in the environment.

The diagram below shows an item used in preparing food in our homes. Use it to answer question 33.



33. Which type of soil is used in making the item shown above?

34. In which way are wild animals dangerous to crop farmers?

35. Mention any one way of preventing accidents among children.



36. How is a rain gauge important at a weather station?

37. Give any one disease spread by a housefly.

38. What type of leaf venation do cassava leaves have?

39. Give any one way of saving electricity used in homes.

40. Name any one human body organ located in the abdominal region.

### SECTION .B. (60 Marks)

41. (a) State any two roles of children in a home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Mention any two play materials children need in a home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42. (a) Mention two methods of preserving food.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why should people wash fruits before eating them?

(c) Name any one vector that contaminates our food.

43. (a) Mention any two materials used in mulching.

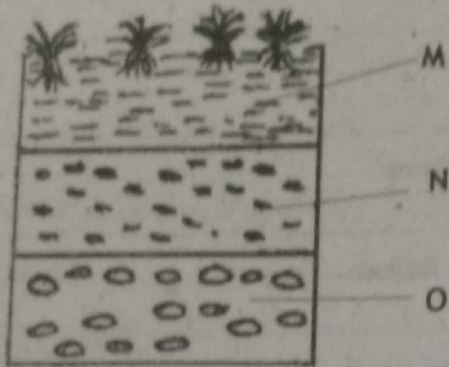
(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why should mulches be first dried before putting them in a garden?

(c) State any one advantage of mulching in crop gardens.

Study the soil layers below and use them to answer question 44.



44. (a) Name the soil layers marked;

(i) N \_\_\_\_\_

(ii) O \_\_\_\_\_

(b) Which letter shows the layer of soil that contains living organisms?

(c) What term describes the vertical arrangement of soil layers?

45. (a) Mention any two indicators of poor sanitation.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Mention any two diseases that may result from poor sanitation in a school.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

46. (a) Mention any two processes involved in the water cycle.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name any two types of weather apart from rainy weather.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

47. Match body organs in A with their functions in B.

A

B

heart

filter blood

lungs

pump blood

kidneys

produces pancreatic juice

pancreas

breathing

(i) heart \_\_\_\_\_

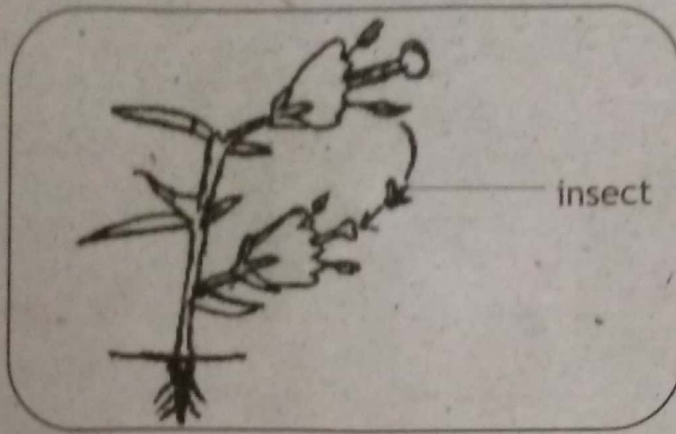
(ii) lungs \_\_\_\_\_

(iii) kidneys \_\_\_\_\_

(iv) pancreas \_\_\_\_\_



Study the type of pollination drawn below and use it to answer question 48.



48. (a) What type of pollination is shown above?

(b) Mention two examples of insects that help in pollination.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) State the role of the stigma during pollination.

49. (a) Mention any two foods rich in vitamins.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State the function of the following mineral salts in the human body;

(i) calcium

(ii) iron

50. (a) Why do we use soap when washing hands before eating?

(b) Apart from soap, name other material we use to wash hands before eating.

(c) Apart from washing hands, give two other ways of keeping the body clean.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

51. (a) Mention any two man made changes in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give any two dangers of strong wind in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

The diagrams below show two common domestic animals. Use them to answer question 52.



52. (a) Name the domestic animal marked;

(i) Y \_\_\_\_\_

(ii) Z \_\_\_\_\_

(b) State the main reason for keeping each of the above domestic animals;

(i) Y \_\_\_\_\_

(ii) Z \_\_\_\_\_

53. (a) Name the set of teeth that has 32 teeth in humans.

(b) How many teeth are in the first set of teeth?

(c) Mention any two diseases of teeth.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

54. (a) Give one way of preventing metallic garden tools from rusting.

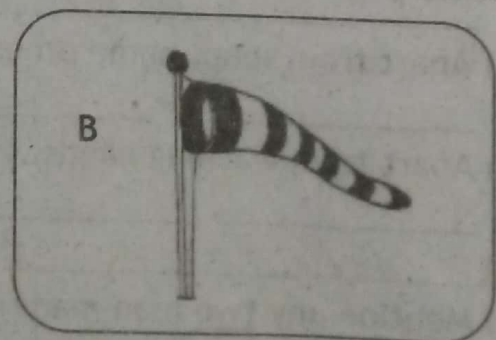
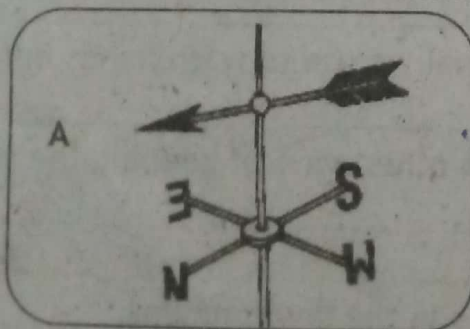
(b) Mention two examples of metallic garden tools.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) What should be done to cutting hard tools before using them?

The diagrams below show different weather instruments. Use them to answer question 55.



55. (a) Name weather instrument marked;

(i) A \_\_\_\_\_

(ii) B \_\_\_\_\_

(b) State one use of instrument marked;

(i) A \_\_\_\_\_

(ii) B \_\_\_\_\_

**END**